

Department of Defense Sustainability: Progress and Plans for the Future

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Installations & Environment
Office of the Secretary of Defense

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Outline

- ❖ Overview of DoD Sustainability Plan
- ❖ Challenge
- ❖ Implementation Approaches
 - Past, Ongoing, Future*
 - Policies that Institutionalize Sustainability
 - Systems to Track & Evaluate Progress
 - Tools to Aid Strategic Decision-Making
 - Implementation Planning by Components
 - Interagency Collaboration



Reflective roof with solar panels, Tyndall AFB, FL

★ The DoD Sustainability Plan is Built Around the MISSION ★

20 Sub-Goals, spanning:

➤ **ENERGY**

- Facility Energy Use
- Renewable Energy
- Vehicle Fuel

➤ **WATER**

- Facility Water Use
- Irrigation, Industrial Water
- Stormwater Run-off

➤ **CHEMICALS**

➤ **BUILDINGS**

➤ **WASTE**

- Paper Reduction
- Solid Waste Recycling, Reuse
- **EMPLOYEE TRAVEL – Air & Commuting**
- **SUSTAINABLE PROCUREMENT**



Challenge and Opportunity: Size & Complexity of DoD

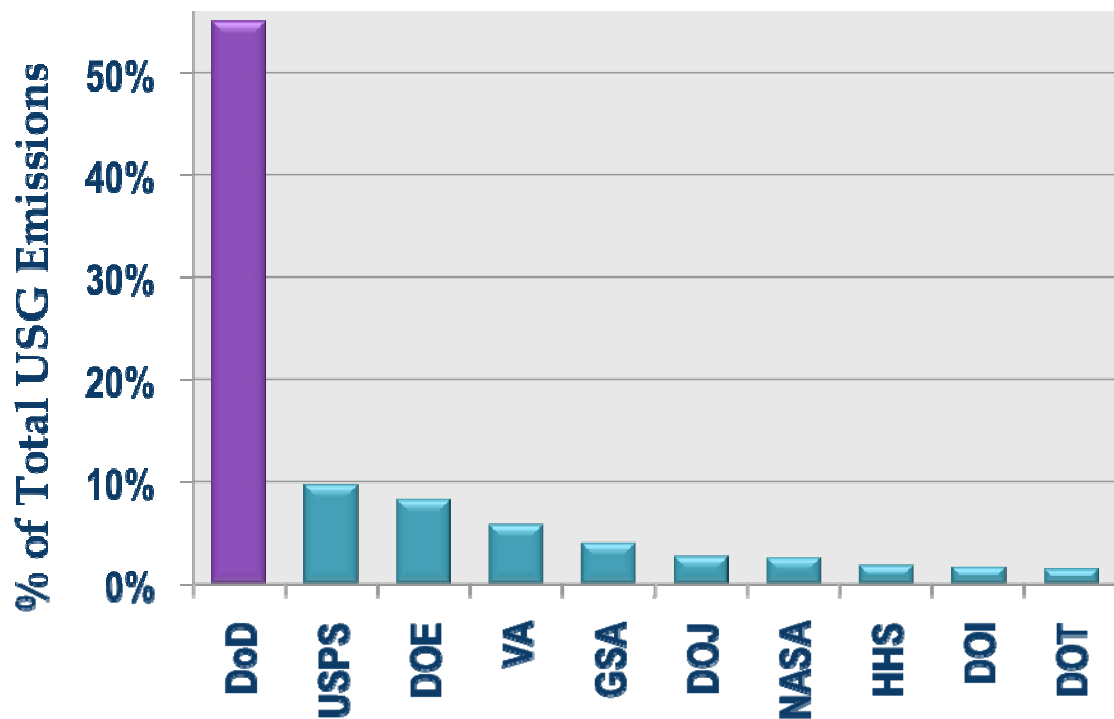
30 DoD Components: Army, Navy, Air Force + 27 others

- # Buildings (owned+ leased): 300,658
- # Vehicles (non-tactical): >197,000
- # Locations:
5,000 (global)
- Fossil-Fuel Use
(facilities only):
>200 Billion Btu



**Aggressive
Scope 1 &2 GHG
Reduction Target:
34% by FY 2020**

Top 10 Federal Agency GHG Emitters (Scopes 1 & 2)



Implementation Approaches

FIVE-PRONGED APPROACH

- ① Policies that Institutionalize Sustainability
- ② Systems to Track & Evaluate Progress
- ③ Tools to Aid Strategic Decision-Making
- ④ Implementation Planning by Components
- ⑤ Interagency Collaboration



Policies Institutionalizing Sustainability

DoD Instruction (DoDI) on Sustainability

- ✓ Conveys what sustainability means to DoD
- ✓ Delineates responsibilities
- ✓ Expected in 2012

Other Recent Sustainability DoDIs & Other Policies

- Stormwater (Jan 2011)
- Sustainable Buildings (Oct 2010)
- Teleworking DoDI (Oct 2010)
- Sulfur Hexafluoride Risk Management (Oct 2010)
- Integrated Solid Waste Management DoDI (being prepared)
- Sustainable Ranges (being prepared)
- Sustainable Procurement (being prepared)

Also Major Policy from Components

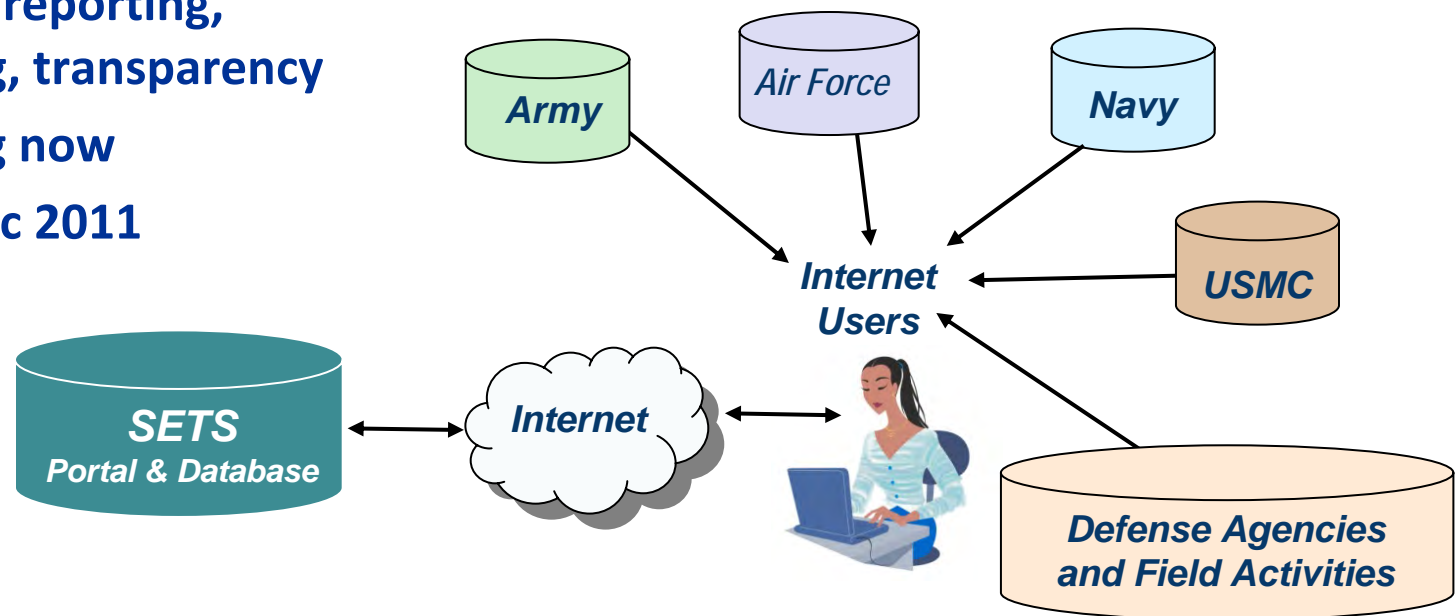
- ✓ Buildings
- ✓ Paper Reduction
- ✓ Stormwater
- ✓ Water
- ✓ Energy ...



DoD Systems For Tracking Progress: Sustainability Evaluation & Tracking System

SETS...

- ✓ **WEB-based tool for SSPP data collection, performance tracking**
- data for the 21 metrics
- captures supporting info: case studies, photos,...
- secure, searchable
- ✓ **Facilitates: reporting, benchmarking, transparency**
- ✓ **Beta testing now**
- ✓ **Release: Dec 2011**



DoD Systems For Tracking Progress on Specific Metrics

PRE-EXISTING

- **Solid Waste** – Knowledge Based Corporate Reporting System
- **Energy and Water** – now via Excel; automated system being developed
- **Toxics Chemical Reduction** – system to track & analyze TRI data

COMPLETED in response to EO 13514

- **Stormwater Runoff**
- Navy tool to electronically track compliance
- Air Force stormwater hydrology analysis tool to estimate pre- and post-hydrology

IN PROGRESS

- **Teleworking**
- Coding employees as:
 - ☑ ineligible ☑ eligible/regular ☑ eligible/ad hoc
- Accurately capturing actual time teleworked
 - still figuring out the best way



Tools to Aid Strategic Decision-Making

❖ TRACKING INVESTMENTS ACROSS DOD

- System for **budget exhibits** to track sustainability investments and resources
- **I.D. gaps** between \$\$ and sustainability objectives
- To better align resources & objectives
- Timeframe: ~end of CY 2011



❖ EVALUATING MILITARY INSTALLATION PERFORMANCE

- Rating system for installations
- Spans wide range of sustainability topics

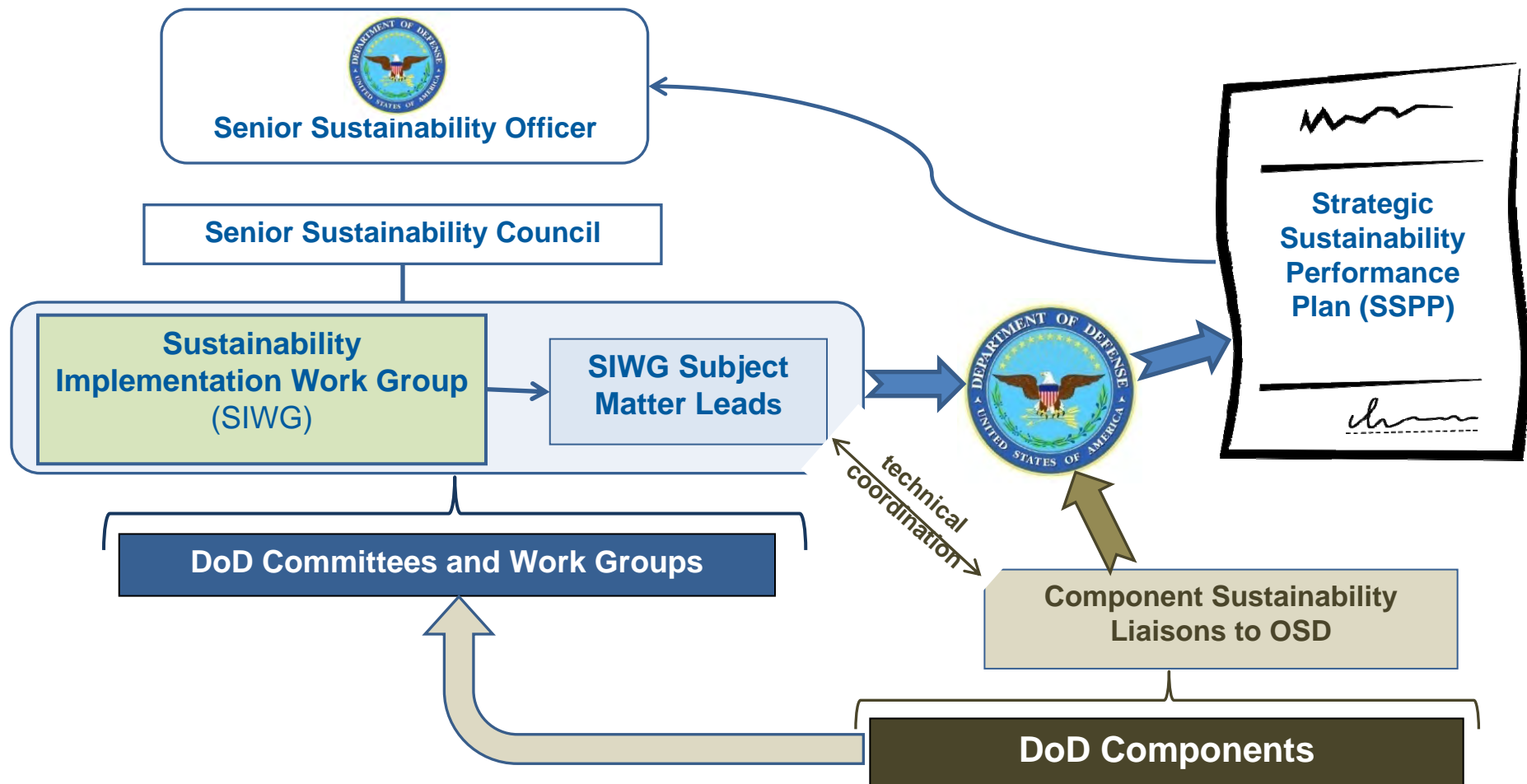
➔ AIDS PRIORITIZATION & PLANNING

- Phase I: pilot @ 3 bases Jan - Spring 2012
- Phase II: refine & fully develop if pilots successful



Component Implementation Plans

- Generate **engagement** in sustainability planning
- Help translate DoD-level *policy into ACTION*



Interagency Collaboration

➤ SUSTAINABLE PROCUREMENT – working with GSA

JOINT workshop to develop solutions – Nov 2011



➤ EMPLOYEE AIR TRAVEL – working with GSA & EPA

Via Interagency Green Travel WG, considering...

- Updates to DoD travel regulations per Sept 2010 GSA Sustainable Travel Guidelines
- Sustainable evaluation criteria for GSA City Pair Program
- Impact analysis of virtual meetings replacing non-essential travel



Questions?

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FORUM



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